



FIBER OPTIC WALL MOUNT OPTICAL DISTRIBUTION FRAME 12 PORT SC

■ Product Overview

The FiberCore OTB Wall Mount 12 Port SC Optical Termination Box is designed as a compact and secure termination point for feeder-to-drop fiber connections in FTTx networks. With capacity for up to 12 SC adapters, it supports fiber splicing, splitting, and distribution while ensuring efficient cable management. Its enclosed PC+ABS housing provides IP65-rated protection against dust, water, and aging, making it ideal for both indoor and outdoor installations.

■ Features

- Powder-coated cold-rolled steel for durability and corrosion resistance.
- Wide temperature range: -40°C ~ +70°C.
- IP66-rated: dustproof and waterproof.
- Supports wall or pole mounting.
- Cable size: $\varnothing 8.5\text{mm}$ ~ $\varnothing 18\text{mm}$.
- Capacity: up to 12 fibers.
- Compatible with SC, ST, FC, SC Duplex adapters.
- Built-in splice tray and fiber management for easy maintenance.

■ Applications

- Telecommunications backbone and access networks
- CATV (Cable TV) systems
- LAN & WAN enterprise networking
- Data centers and server rooms
- FTTH (Fiber to the Home) and FTTx deployment
- Indoor optical cable distribution and management



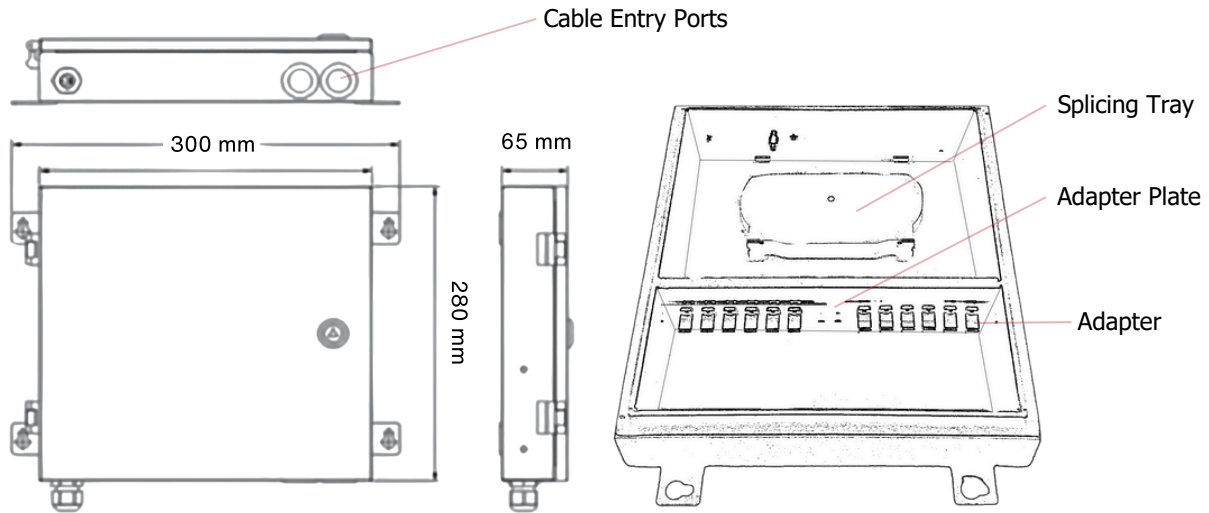
Want to know more about FiberCore?

For more information visit www.fibercore-plus.com or contact sales@fibercore-plus.com

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Technical Sketch



Technical Specifications

- Model: FC-41-WM-12
- Application: Indoor and outdoor use — suitable for cable-to-pigtail protective connection
- Material: Cold-rolled steel with static powder-coated finish (anti-corrosive)
- Color: Light gray or black (customizable)
- Ingress Protection: IP66 (waterproof and dustproof, suitable for harsh environments)
- Capacity: Up to 12 fiber cores
- Adapter Compatibility: SC, LC, FC, ST (simplex or duplex)
- Cable Support: Single-mode or multi-mode fiber cables (ribbon, bundle, or single)
- Cable Entry Ports: Typically 2–4 ports (sealed with rubber grommets or glands)
- Cable Diameter Supported: Ø8.5 mm – Ø18 mm
- Splicing Support: Fusion splice tray integrated (supports heat-shrink sleeves)
- Internal Management:
 - Built-in cable clamps for strain relief
 - Fiber routing with bend radius ≥ 30 mm
 - Organized pigtail and cord arrangement
- Mounting Type: Wall-mount / Pole-mount capable
- Dimensions:
 - Height - 300mm
 - Width - 280mm
 - Depth - 65 mm
- Operating Temperature: -40°C to +70°C
- Locking Mechanism: Cover with latch or key-lock (for tamper prevention)



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■ Accessories

- Splice tray
- Expansion bolts
- Hose clamps
- Wire Saddle
- Cable gland
- Mini cable ties
- Heat protection sleeves
- Includes fiber adapters

■ Compliance and Certifications

- IP66 Certified
- RoHS Compliant (EU Directive 2011/65/EU)
- REACH Compliant
- ISO 9001:2015 (for manufacturing quality assurance)
- TIA/EIA-568 & ISO/IEC 11801 Structured Cabling Standard Compliant
- Equipped for bonding in accordance with TIA-607-D / IEC 60364

■ Ordering Information

Description	Part No.
Wall Mount Optical Distribution Frame 12 Port SC	FC-41-WM-12



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